15 February 1967

STAT [redacted]

STAT As you may know, [redacted] has developed a new duplicating film named
STAT [redacted] Direct Duplicating Aerial Film, Type SO-239". This film does not reverse image polarity, that is, a positive is obtained from a positive or, likewise, a negative is obtained from a negative. This is achieved by normal processing and does not require the rather complex and time-consuming processing procedure usually associated with reversal processing. Its image-structure characteristics are generally similar to type 8430 film, which is the dupe-positive material commonly used in your organization.

I believe this material is of particular interest to the Center and that it should be evaluated to determine its applicability to your work. If you would like us to make an evaluation of its image-structure and sensitometric characteristics, we would be most happy to do so. The enclosed sheet gives the estimated time required and costs, and a brief statement of work.

I look forward to hearing from you soon regarding your interests in our evaluation of this product.

With best regards,

STAT [redacted]

STAT [redacted]

[redacted]

Declass Review by NGA.

STATEMENT OF WORK

EVALUATION OF TYPE SO-239 FILM

We will evaluate Type SO-239 Film by performing the following measurements and tasks:

1. Sensitometric Characteristics.
2. Modulation Transfer Function.
3. Modulation Detectability (A.I.M. Curves).
4. RMS Granularity as a Function of Density.
5. Signal/Noise Characteristics in the Form of Z-Plots.
6. Visual and Photomicrographic Examinations of Image Structure, Including That of Cross-Sections Produced by Microtomy.

STAT [redacted] Senior Staff Scientist, Research Division, will be principal investigator. Working with [redacted] will be STAT

STAT [redacted] assisted by laboratory associates. The anticipated project duration is 90 days after receipt of sample quantities of the film. The estimated cost is [redacted] STAT

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